

FIG. 1A

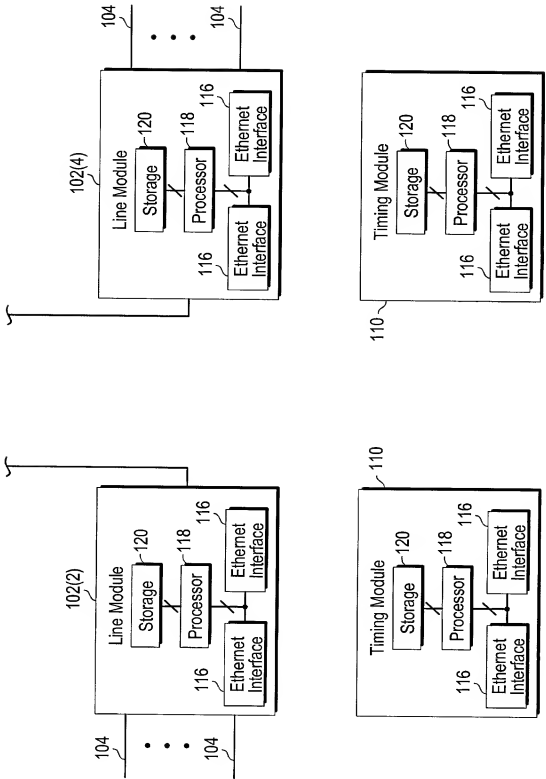


Fig. 1B

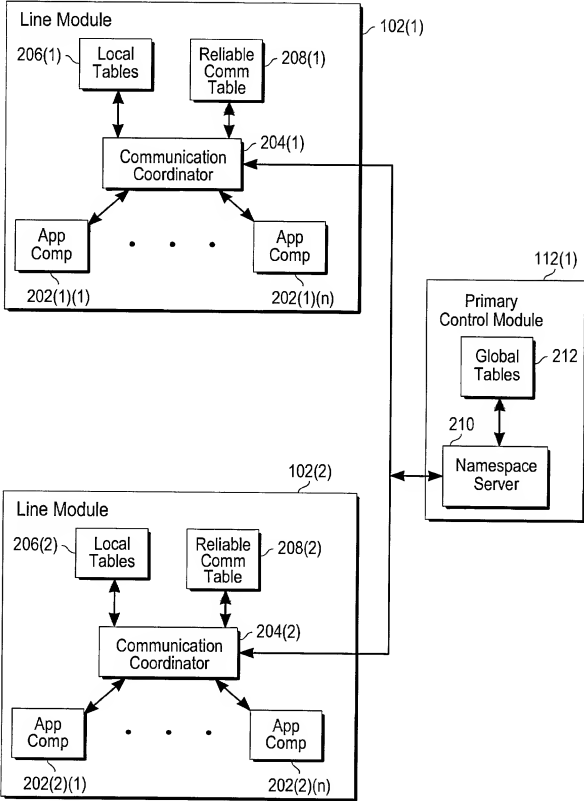


Fig. 2



Local Publishers Table

302

Namespace	Reference to Publisher	IP address/ Port #
/LM/1/Monitor/Event/LOS	P1	X1, Y1

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Fig. 3A

Local Subscribers Table

304

Namespace	Reference to Subscriber	IP address/ Port #	Reliability	Priority
/LM/2/Foo/Event/Sleep	S1	X1, Y1	Reliable	Normal
/LM/1/Monitor/Event/LOS	S2	X2, Y2	Best Effort	Normal

312

314

Fig. 3B



Local Servers Table

Namespace	Reference to Server	IP address/ Port #	Reliability	Priority
320 /LM/1/Monitor/Op/Get	P1	X1, Y1	Best Effort	Normal
322 /LM/2/Foo/Op/Set	P2	X2, Y2	Best Effort	Normal

306

Fig. 3C

Local Clients Table

Namespace	Reference to Client	IP address/ Port #
324 /LM/2/Foo/Op/Set	S1	X1, Y1

308

Fig. 3D

Local Publishers Table

Namespace	Reference to Publisher	IP address/ Port #
/LM/2/Foo/Event/Sleep	P2	X2, Y2

Fig. 4A

Local Subscribers Table

Namespace	Reference to Subscriber	IP address/ Port #	Reliability	Priority
/Event/LOS	S2	X2, Y2	Best Effort	Normal
/LM/2/Foo/Event/Sleep	S1	X1, Y1	Reliable	Normal

Fig. 4B

Local Servers Table

Namespace	Reference to Server	IP address/ Port #	Reliability	Priority
420 /LM/2/Foo/Op/Set	P2	X2, Y2	Best Effort	Normal
422 /LM/1/Monitor/Op/Get	P1	X1, Y1	Best Effort	Normal

406

Fig. 4C

Local Clients Table

Namespace	Reference to Client	IP address/ Port #
424 /LM/1/Monitor/Op/Get	S2	X2, Y2

408

Fig. 4D

Global Publishers Table

Namespace	Reference to Publisher	IP address/Port #
510 /LM/1/Monitor/Event/LOS	P1	X1, Y1
512 /LM/2/Foo/Event/Sleep	P2	X2, Y2
514 /LM/3/Bar/Event/Wake	P3	X3, Y3
⋮	⋮	⋮

Fig. 5A

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Global Subscribers Table

Namespace	Reference to Subscriber	IP address/Port #	Reliability	Priority
516 /LM/2/Foo/Event/Sleep	S1	X1, Y1	Reliable	Normal
518 /*/Event/LOS	S2	X2, Y2	Best Effort	Normal
520 /LM/4/Test/Event/True	S3	X4, Y4	Best Effort	Normal
⋮	⋮	⋮	⋮	⋮

Fig. 5B



Global Servers Table

Namespace	Reference to Server	IP address/ Port #	Reliability	Priority
/LM/1/Monitor/Op/Get	P1	X1, Y1	Best Effort	Normal
/LM/2/Foo/Op/Set	P2	X2, Y2	Best Effort	Normal
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.

Global Clients Table

Namespace	Reference to Client	IP address/ Port #
/LM/2/Foo/Op/Set	S1	X1, Y1
/LM/1/Monitor/Op/Get	S2	X2, Y2
.	.	.
.	.	.
.	.	.

Fig. 5D

Reliable Communication Table

IP address/ Port #	Sending Sequence #	Receiving Sequence #	Missing Sequence Number List
X2, Y2	2040	50	
•	•	•	•
•	•	•	•
•	•	•	•

Fig. 6

Reliable Communication Table

IP address/ Port #	Sending Sequence #	Receiving Sequence #	Missing Sequence Number List
X1, Y1	50	2040	
•	•	•	•
•	•	•	•
•	•	•	•

Fig. 7